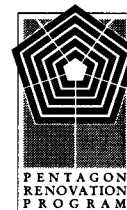




The Renovator

A Pentagon Renovation Program Newsletter



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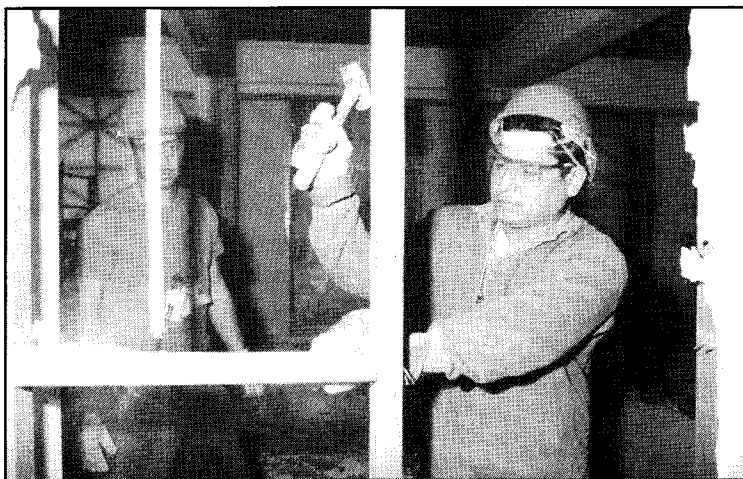
Breaking through barriers

Wedge 1 demolition and remediation continues

Demolition of walls and abatement of hazardous materials inside Wedge 1 continue as 55 percent of the wedge has been vacated.

"We're making good progress," said Dave Westrick, Wedge 1 project manager with the Pentagon Renovation Program. "We expect the last tenant to vacate in January 1999. That will clear the way for the major core and shell construction." "Core and shell" refers to the build-out of common space inside the wedge as opposed to the demolition and abatement portion of construction.

As of May 1998, more than 3,000 tenants have been relocated



Wedge 1 construction began as scheduled in January 1998 with demolition of interior walls and removal of hazardous materials.

either to external swing space or to other offices inside the Pentagon.

A solicitation for the core and shell construction in Wedge 1 was publicized in early May 1998. A contract is expected to be awarded this September.

According to Westrick, Wedge

1 renovation will serve as a model for renovation activities in Wedges 2 through 5. "We're learning some lessons along the way which will facilitate future renovation activities.

Above all, coordination with the tenants is paramount, not only to ensuring a smooth transition to swing

space, but to renovating the wedge so that the needs and concerns of tenants are addressed to the greatest extent possible."

Westrick added that there are some unique challenges involved with taking one fifth of the world's largest government office building out of commission.

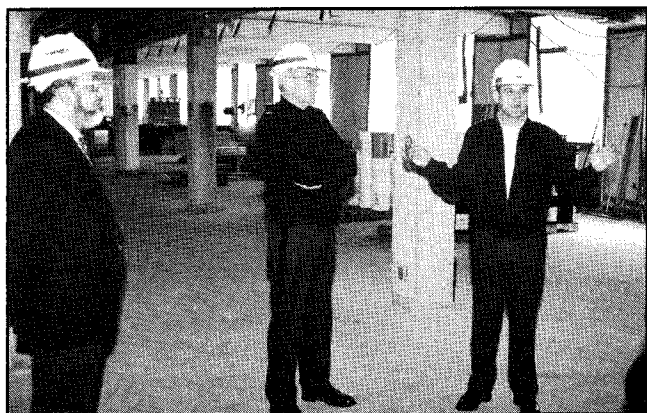
"We not only have to shut down close to a million square feet of

space, but we've got to do it in such a way as to not impact the rest of the building."

That involves the painstaking process of inspecting the myriad utility, electric, and communication lines that run through the wedge, many of which have been installed ad-hoc over the last 50 years. "In many instances, the building drawings are not current, so we have to be careful before cutting a wire," said Westrick. "We want to avoid as much as possible impacting even one tenant's computer."

During Wedge 1 construction, the A-ring on two floors will remain open to pedestrian traffic.

Over the next several months, the Pentagon Renovation Program will post corridor closure notices at the Renovation kiosk located outside Cafeterias 1 and 2 in the A ring near Corridor 2.



Lt. Col. Chris Boruch (right) of the Pentagon Renovation Program shows a cleared area inside Wedge 1 to Col. Richard Bridges (center), Director, Directorate for Defense Information, and Glen Flood, OSD Press Officer, during a recent tour of renovation activities.

Clinic work continues at healthy pace

Construction of the Pentagon's new DiLorenzo Tricare Health Clinic continues to progress rapidly as wall studs, wires, pipes and ductwork become hidden behind drywall and joint compound.

Dave Gabel, resident engineer with the Pentagon Renovation Program, said construction is scheduled for an early 1999 completion. "We're close to 40 percent complete at this point and hope to turn over the area to the users by next February," he said. At that time, the Pentagon medical community will begin installation of the myriad types of medical and dental equipment.

According to Lt. Col. Rick Bond, Health Facility project officer for Health Affairs, the clinic team has looked at innovative ways to make the environment in the clinic as comforting as possible for both the patients and the staff. This is no small feat considering the clinic site is the Pentagon's former interior motor pool garage – a windowless environment with low ceilings.

"We're looking at ways to minimize the feeling of confinement," said Bond. For example, the project team is considering placing transparencies of nature scenes in the lights above the dental chairs as well as placing large photographic images of outdoor scenery on many of the clinic walls.

"Throughout the clinic, the finishes, color schemes, furniture, artwork and signage will be aimed toward presenting a professional and pleasing environment in which to provide and receive medical care," he said.

When completed, the clinic will house 21 major groups or support areas ranging from cardiology to dentistry, from radiology to physical therapy. "Each medical



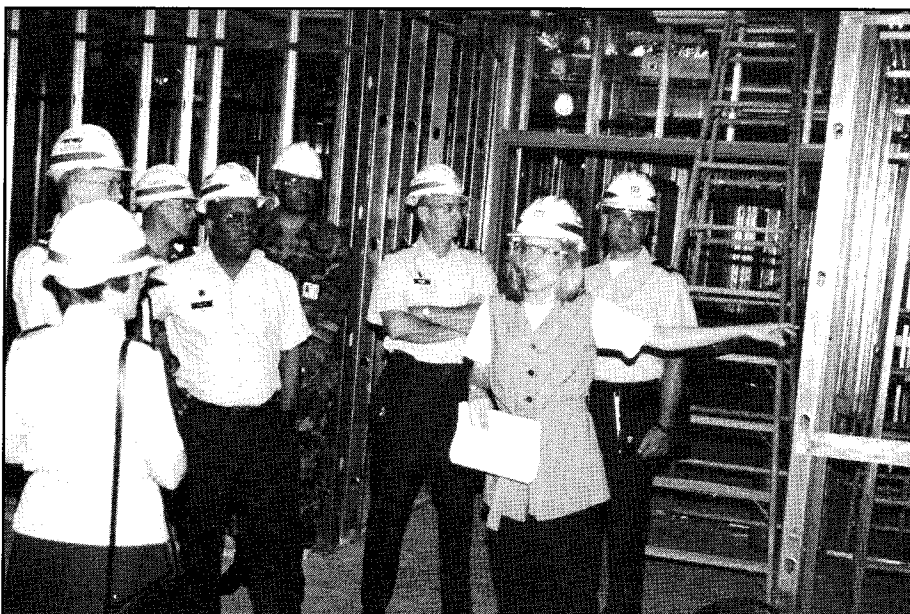
Jim Vincent (center), Health Affairs clinic construction coordinator, discusses design changes with Roger Lonneville (left), project superintendent for Bell, BCI - the clinic construction contractor, and Dave Gabel, resident engineer with the Renovation Program.

group has highly specific needs, so coordination is critical to building a facility that meets everyone's criteria," said Bond.

Toward that end, Jim Vincent, the Health Affairs clinic construction coordinator, serves as the on-site liaison among the medical staffs, the renovation team and the medical construction contractor.

Vincent brings 12 years of medical facility design and engineering experience to the table and works closely with the renovation team to ensure that the construction issues that impact the clinic staff are resolved. "The end users and the renovation team have a single point of contact through which they can funnel their efforts. That facilitates coordination and expedites the process whereby concerns are addressed or changes can be made," said Vincent.

"We have a dynamic group of professionals assembled who understand that this clinic will set the standard for medical facilities of this kind nationwide," Vincent added. "I'm confident that despite the engineering challenges we face here, we will exceed expectations."



Jennifer Casey, project engineer with the Pentagon Renovation Program, explains the layout of the clinic to a team of military dentists who will work in the clinic.

Communication with tenants key to renovation success

Before any area of the Pentagon can be renovated, the requirements of the tenants must be incorporated into the design. "Each agency has unique space, utility, security and communication requirements," said Harriet Ross, project manager with the Pentagon Renovation Program. "We've got to know those requirements before we proceed with design development," she said.

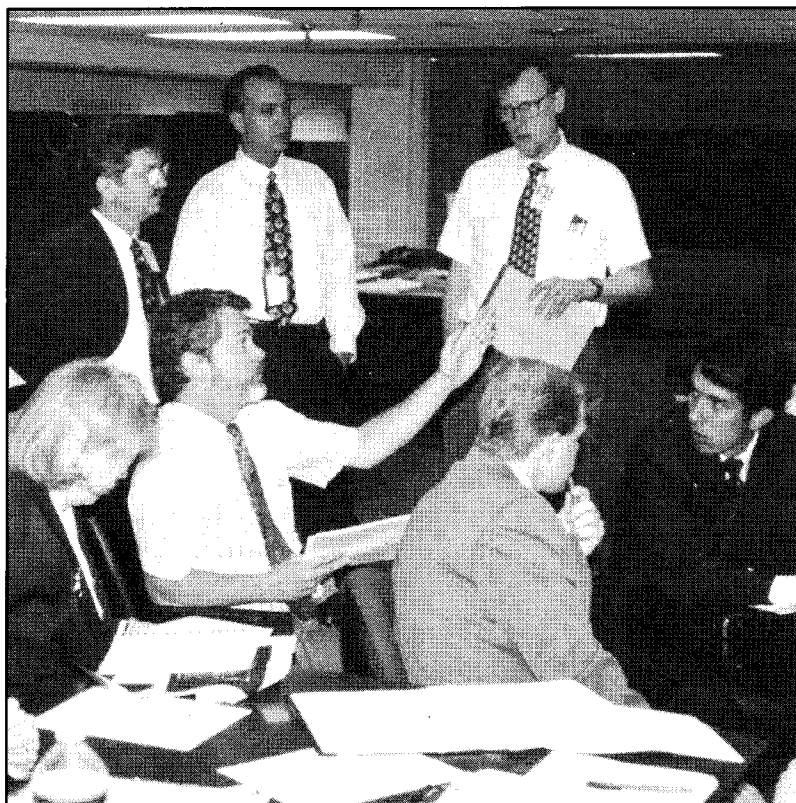
To ensure those requirements are met, project managers from the Renovation Program pull together integrated product teams or IPTs, which are made up of the key players and decision makers involved in the various renovation activities. "We want to get as much expertise around the table as early as possible," said Ross. "The IPT process helps to minimize changes later on to the design of a particular space so that construction can proceed on schedule."

During the last two months Ross conducted "squatters" sessions each week where tenants were able to explain requirements, voice concerns, look at space layout drawings and discuss

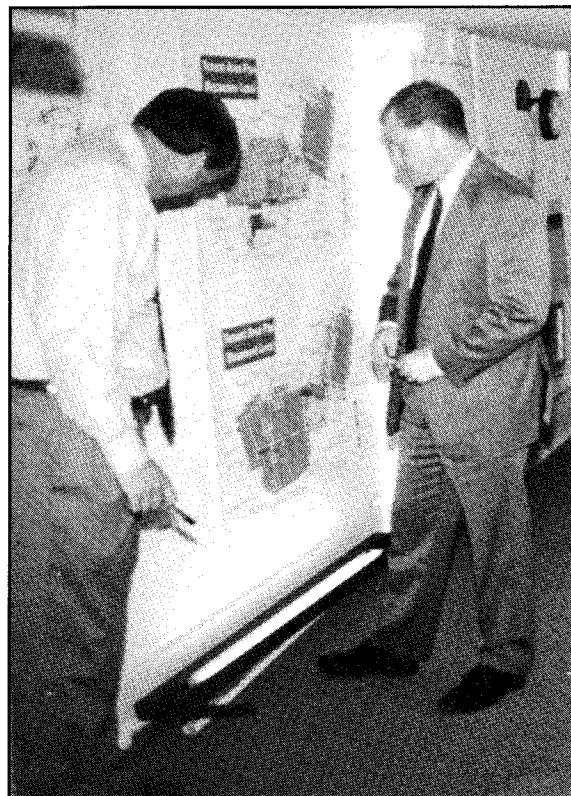


Major Pete Geneva of Defense Intelligence Agency-J2, discusses his agency's space requirements with members of the Pentagon Renovation team at a coordination meeting in April.

issues to be resolved. "It's all about communication," said Ross. "By maintaining an open dialogue with the tenants and representatives from other key offices, we can resolve most of the issues before construction begins. That saves time and money, and ensures a satisfied customer when renovated space is turned over."



Standing from left: John Olejniczak, Greg Ruggles and John Berkheimer, engineers with the Pentagon Renovation Program, listen as Mr. Dave King of Defense Intelligence Agency, explains his requirements.



Mr. Steve Allan of Defense Intelligence Agency, looks at space layout drawings at a recent coordination meeting with the Pentagon Renovation Program.

Army tenants mobilize to new offices in Crystal City

As of late May 1998, close to 3,200 employees had been moved to leased office space in Rosslyn and Crystal City.

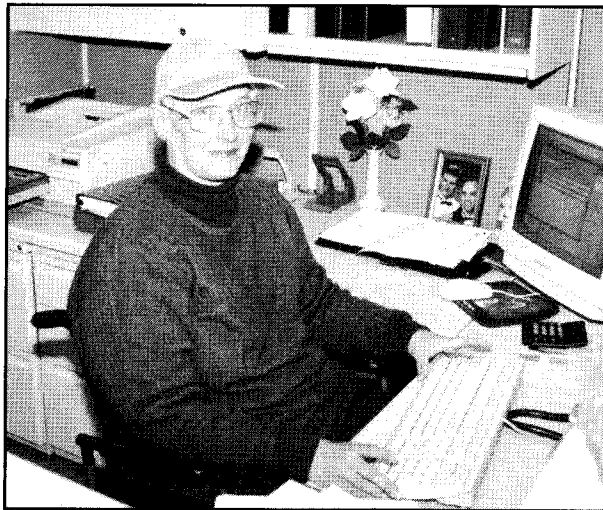
In March, Pentagon Renovation Program Manager Lee Evey visited with many of the Army personnel who departed the Pentagon for new offices at Presidential Tower in Crystal City.

Pictured here are some of the Army personnel Evey visited along with comments they made about their new working environment.

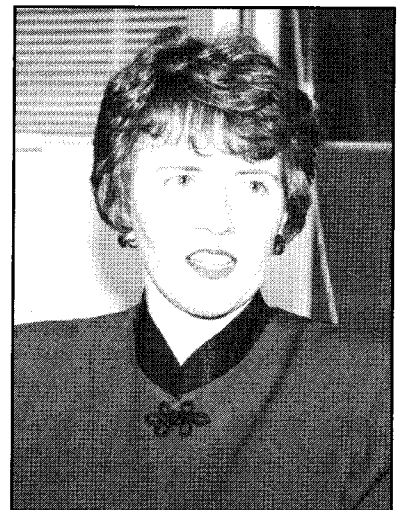
Col. Ed Harrington led Evey and members of the relocation team through newly occupied Army swing space on floors 9, 10 and 11 of Presidential Tower in Crystal City. "Overall we're very satisfied. The office environment here is modern and professional," said Harrington. "The move was well-coordinated and downtime was minimized. And we even have voice mail."



(Right) Betty Serene, assistant budget analyst: "The office space here is a big improvement over the Pentagon, especially for someone who is handicapped. I have no problem getting around and the elevators are much more convenient and quieter than the freight elevators in the Pentagon."



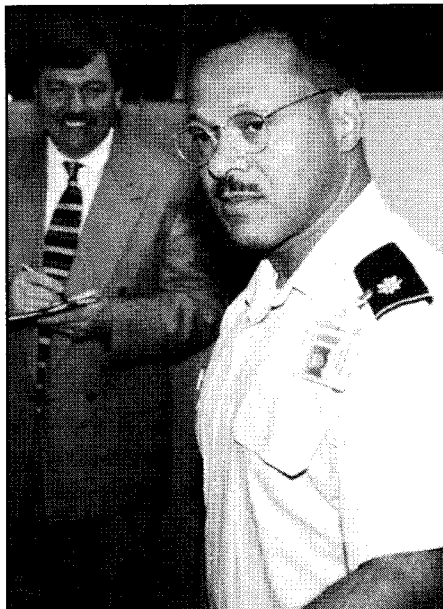
(Far right) Pamela Roe, team chief budget assistant: "The relocation team did a great job in ensuring a smooth transition."



Janet Scott, network management specialist: "We were down for only two days which is quite remarkable. We do have to go back and forth to the Pentagon a lot, but we're pleased with the work environment here."



Left to right: Mr. Ed Negron, Army space management officer; Jackie Bank, new swing space tenant; Dr. Lee Smith, information management and telecommunications specialist, and Rosemary Roundtree, management assistant, admire the "absolutely beautiful views," according to Ms. Roundtree. Negron and Smith help to ensure that tenant concerns are noted and resolved.



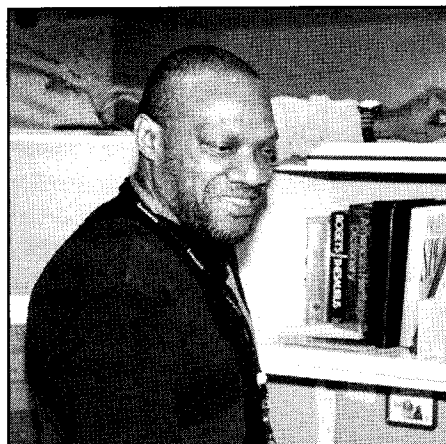
(Far left) Col. Leonard Gliatta, executive secretary of the Army Science Board: "The relocation team thought of everything. The early coordination start paid off. When I sat at my desk, the computer was running and I had 12 e-mails waiting. I'm a very satisfied customer."

(Left) Lt. Col. Warren Green: "We did everything as best we could and coordinated closely with the swing space team. Like moving to a new house, there are always a few things to take care of, but the team has been very responsive."



(Far left) Rachel Young, secretary: "The work environment is clean and professional and the views are wonderful. Things will improve even more once the shuttle bus service is increased."

(Left) Deanne Phillips, NCO, Help Desk: "The move went as well as can be expected. Nothing was broken or lost and the work environment is a big improvement. All the coordination work paid off."



Leroy Hargrove, PC specialist: "It's a big improvement over the Pentagon. Everything works here. It's a much better environment for personnel and computers."



Tom Kupiec (left), swing space team leader, takes notes as Maureen Raines, budget analyst, mentions several items that need to be addressed by the swing space team. Lee Evey, Pentagon Renovation Program Manager is also pictured.

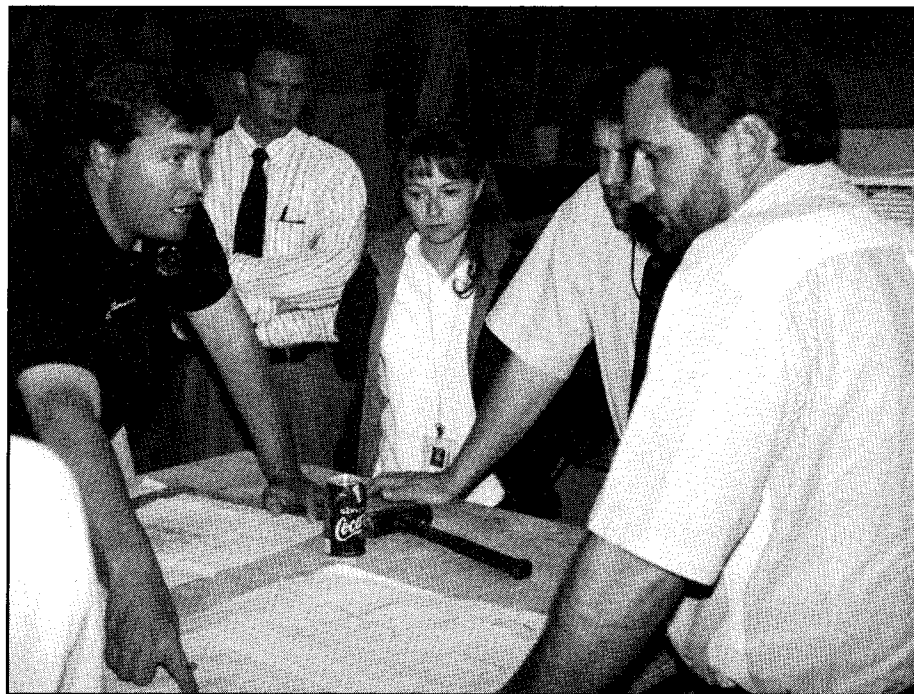
Corridor 8 entrance nears grand opening

Phase 1 of Corridor 8 entrance renovations is nearing completion as the last major piece of construction, new custom-made security stations, arrived in mid-May.

Before the security stations were delivered, members of the Pentagon Renovation Program, along with a representative from Defense Protective Service, visited New Era Custom Design in Fredrick, Md., where the stations were constructed.

"The site visit allowed us to conduct a quality assurance inspection and resolve problems while the work was still in the factory," said Jeanine Molloy, project engineer with the Pentagon Renovation Program. "We're very pleased with the workmanship, and the changes we made at the factory will save us time and money."

Todd LaRoe, a DPS project coordinator who also attended the site visit, agreed with Molloy. "It was critical to work out the details before the product was delivered," said LaRoe. "The millwork had to be constructed exactly as de-



Todd LaRoe (left), project coordinator for Defense Protective Service, comments on drawings of the new security stations for Corridor 8 at a recent factory site visit. Also pictured are Jeanine Molloy (center), project engineer, and John Gage (right), the contractor for construction of the security stations.

signed to accommodate our security equipment."

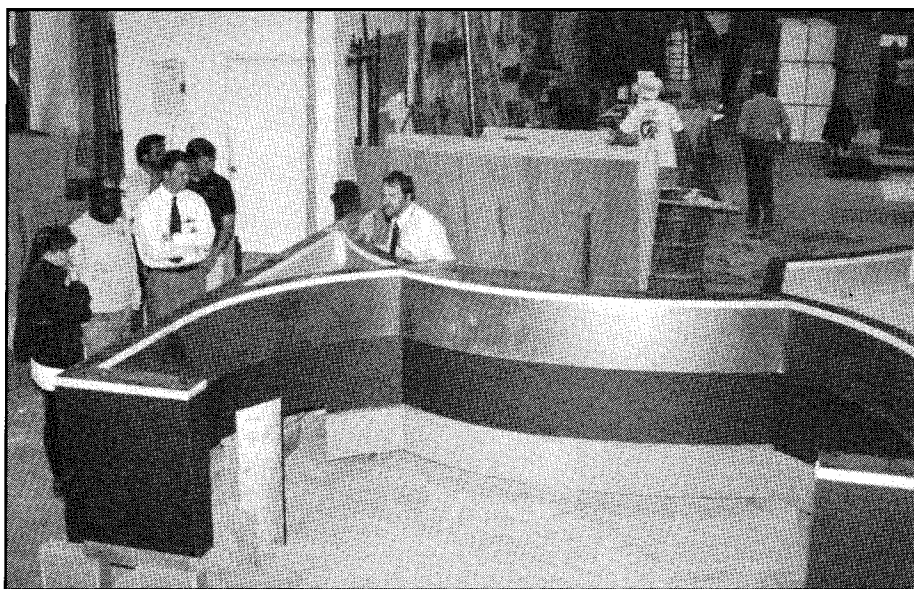
To enter the Pentagon through Corridor 8, DoD building pass holders will insert their cards through card readers on the turnstiles and proceed past the main

security station. If a pass is expired or invalid for other reasons, an audible signal from the turnstile will notify security officers that a problem exists. Computer terminals at the security stations will provide the officers immediate background on the person to whom the card was issued. A separate visitor's security station will divert non-DoD pass holders away from the main flow of traffic.

"The new clearance procedures will decrease the bottlenecks that takes place now at the security station," said John Jester, Chief of Defense Protective Service. "Less traffic and fewer distractions at the security station translates to better security," he said.

In late June, pedestrians will be able to enter the Pentagon through the renovated entrance area.

Phase 2 of the project, the renovation of the current bypass area, is scheduled to begin this July.



At a recent factory visit, Kevin Powell (right), project manager with the Pentagon Renovation Office, inspects the carpentry of the new DoD waiting area station.

South Terrace Corridor 2 pedestrian bridge on the rise

Pile driving for the Corridor 2 pedestrian bridge was completed in late April as 373 piles found new homes in up to 40 feet of soil. Despite the persistent pounding noise of the pile driver during last month, tenants registered few complaints with the Pentagon Renovation Program. The piles will support the concrete and limestone bridge structure that will link South Parking to the Pentagon.

Presently, carpenters are constructing the structural formwork that will give the bridge its shape. In a few weeks, concrete will be placed within the formwork. After the concrete cures, limestone will then be placed on the concrete to match the architectural style, color and ornamentation of the Pentagon.

A sample of the concrete and limestone that will be used to build the bridge can be seen on the lawn to the left of the Corridor 3 entrance as



A construction worker secures a protective railing along the top of formwork for the South Terrace Corridor 2 pedestrian bridge. Formwork will be completed in several weeks and followed by concrete placement.

one enters the Pentagon. Construction contractors will match actual work against this sample to ensure that proper color, structural

characteristics and quality are achieved.

The current alignment of Rotary Road will be maintained through Phase 2—the structural renovation of the south loading dock area, and Phase 3—the build-out of the terrace below the Corridor 2 bridge.

In Phase 4, Rotary Road will be realigned to pass under the Corridor 2 bridge and then diverted into South Parking at Corridor 3 to clear the way for construction of the Corridor 3 bridge. The Corridor 3 entrance will have been closed for Wedge 1 construction.

Pedestrian access to the Corridor 2 bridge may be available as early as this fall.

Information and a model of the South Terrace pedestrian bridge structure can be seen at the Renovation kiosk located in the A-ring at Corridors 1 and 2 on the 2nd floor.

Tours through renovation sites available

From the Editor

It is clear to see that the Pentagon needs to be renovated if it is to maintain its status as the nerve center of our nation's military establishment. What is not clear is that tremendous progress has already been made in the renovation process. That is because much of the construction activity has taken place below ground or outside the building.

And since it is often difficult to get excited about something you can't see, the Pentagon Renovation Program is offering tenants the opportunity to tour many of the completed and ongoing renovation activities.

There is no set schedule for renovation tours. To set up a tour, simply call the Pentagon Renovation Program at (703) 693-8938.



Air Force Capt. Mike Huffstetler, right, liaison for the completion of the Air Force Operations Group area on the Pentagon's new mezzanine level, describes some of the area's high-tech features during a recent tour.

Pentagon Renovation Program logo unveiled

A new logo representing the Pentagon Renovation Program will begin appearing on construction signs and displays over the next several weeks.

The logo will allow tenants to easily distinguish renovation activities from routine building maintenance or construction work.

Elements of the logo have been defined here to help tenants understand the goals of the Pentagon Renovation Program team.

The logo will appear in a red (background), white (wedge lines) and blue (Pentagon) color scheme on construction signs and displays. The colors symbolize the national significance of the renovation.

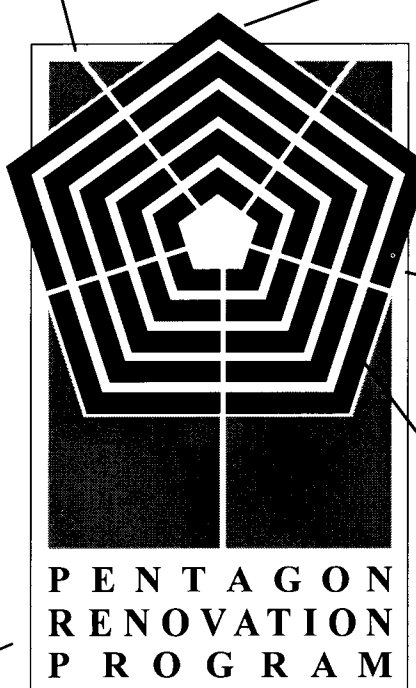
Name lies at the base of the logo, symbolizing that the renovation program is at the foundation of the future viability of the Pentagon.

One of the five "wedge" lines. The building will be renovated in five major phases or "wedges." The five lines are also symbolic of the five decades the renovated building will endure.

Edges of the Pentagon extend beyond the red field symbolic of the program team's willingness to "think outside the box," push the edge, and break through barriers in order to execute a successful program.

Pentagon lies above center of the red field symbolizing the elevated status the structure will achieve after renovation.

The five concentric pentagonal rings, distinctive elements of the building's design, symbolize the program's commitment to preserve the Pentagon's National Historic Landmark features.



Overall, the design uses simple lines to be easily recognized and identified with the Pentagon Renovation Program.

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